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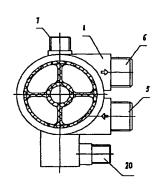
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[几袋頁]

(54) Title: A MULTIFUNCTION CONTROL VALVEFOR A WATER TREATMENT SYSTEM

(54) 友明名林: 水她理系統用多功能控制凋



(57) Abstract: A multifunction control valve for a water treatment system includes a valve body provided with a water inlet, a water outlet, and a wastewater outlet. A valve core connected to a valve rod is located in the valve body. The valve body also has fluid passages communicated with the interior and exterior of the filtering core for the water treatment system, respectively, wherein the valve core uses a pair of active valve-plate and static valve-plate of which the endfaces movably and hermetically fit each other. The active valve-plate s connected to the valve rod, and a number of corresponding through holes is located in the static valve-plate. By connecting with corresponding interfaces, the active valve-plate is provided with one through hole and two dead holes. The through hole and dead holes in the active valve-plate are communicated with the corresponding through holes in the static valve-plate by rotating the active valve-plate, thereby forming various fluid passages to achieve the fluid control. The respective hole fits of the active valve-plate and the static valve-plate are distributed on the radius of the same turning circle. When used, by the relative lap position switching fit of respective holes in the active valve-plate and the static valve-plate, various control statesmay be achieved, such as softening, cleaning, or back washing, etc. The invention is simple in operation and compact in structure. The invention may be used in various industrial or domestic water treatment systems so as to improve the water treatment quality.

- (81) 指定因 (除另有指明,要求每一神可提供的回家保炉): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW。
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本 回阮公布:

一 包括 囤 阮 栓 索 报 告 .

所引用双字母代碼及其它縮丐符青,清參考刊登在每期PCT公报期刊起始的"代碼及縮丐符實所要坑明",,

(57) 摘要:

一神水她理系統用多功能控制憫,包括投有迸水口、出水口和污水出口的凋休,和凋杆連接的凋忑置于閥休中,陶休申迂役有流道和水她理系統濾茁的內部及外部分別連通,其特征力:腐茁采用一肘端面特功密封配合的劫憫片和定閥片,劫閥片連接在閥杆上,在定碉片上升投若干肘匝的通孔,通迂与相射匝的接口相連,在劫陶片上升投一介通孔占二介盲孔,通迂旋韓劫洶片,使劫閥片上的通孔、盲孔与定阀片上的相对应的孔相通而形成多种不同的流体通道来实现对流休的控制,所述的定閥片和劫凋片的各孔配合分布在同一回特圓半往上。使用吋通迫功、定憫片上的各不同孔的相肘重疊位置切換配合,即可突現軟化或淨化、反沖洗等不同控制狀悉,操作清楚方便,拮枸紫湊,各神工此或家用水她理系統均能使用,提高水她理廣量。